

SEQUENCE LISTING

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<120> GLYCOSYLTRANSFERASES STRUCTURES

<130> 12243.23USWO

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<150> US 60/139,949

<151> 1999-06-18

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<160> 13

<170> PatentIn version 3.1

<210> 1

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<212> PRT

<213> Oryctolagus cuniculus

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Val	Val	Val	Glu	Asp	Asp	Leu	Glu	Val	Ala	Pro	Asp	Phe	Phe	Glu	Tyr
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Phe	Gln	Ala	Thr	Tyr	Pro	Leu	Leu	Lys	Ala	Asp	Pro	Ser	Leu
			20					25					30

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Val	Val	Val	Glu	Asp	Asp	Leu	Glu	Val	Ala	Pro	Asp	Phe	Phe	Glu	Tyr
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Phe Arg Ala Thr Tyr Pro Leu Leu Lys Ala Asp Pro Ser Leu
 20 25 30

<210> 3
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Phe Gln Ala Thr Tyr Pro Leu Leu Arg Thr Asp Pro Ser Leu
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<400> 4

Val Val Val Glu Asp Asp Leu Glu Val Ala Pro Asp Phe Phe Glu Tyr
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Phe Gln Ala Thr Tyr Pro Leu Leu Lys Ala Asp Pro Ser Leu
 20 25 30

<210> 5
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Val Val Val Glu Asp Asp Leu Glu Val Ala Pro Asp Phe Phe Glu Tyr
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Phe Gln Ala Thr Tyr Pro Leu Leu Arg Thr Asp Pro Ser Leu
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Ile Val Val Glu Asp Asp Leu Glu Val Ala Pro Asp Phe Tyr Glu Tyr
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Phe Gln Thr Thr Ile Ser Leu Leu Gln Lys Asp Arg Met Leu
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<210> 8
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 <213> Caenorhabditis elegans

<400> 8

Ile Ile Thr Glu Asp Asp Leu Asp Ile Ala Pro Asp Phe Phe Ser Tyr
 1 5 10 15

Phe Ser Asn Thr Arg Tyr Leu Leu Glu Lys Asp Pro Ser Leu
 20 25 30

<210> 9
 <211> 30
 <212> PRT
 <213> Caenorhabditis elegans

<400> 9

Ile Val Thr Glu Asp Asp Leu Asp Ile Gly Asn Asp Phe Phe Ser Tyr
 1 5 10 15

Phe Arg Trp Gly Lys Gln Val Leu Asn Ser Asp Asp Thr Leu
 20 25 30

<210> 10
 <211> 56
 <212> PRT
 <213> Oryctolagus cuniculus

<400> 10

Arg His Tyr Arg Trp Ala Leu Gly Gln Ile Phe His Asn Phe Asn Tyr
1 5 10 15

Pro Ala Ala Val Val Val Glu Asp Asp Leu Glu Val Ala Pro Asp Phe
20 25 30

Lys Ala Phe Trp Asp Asp Trp Met Arg Arg Pro Glu Gln Arg Lys Gly
35 40 45

Arg Ala Cys Val Arg Pro Glu Ile
50 55

<210> 11

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<212> PRT

<213> Bacillus subtilis

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1 5 10 15

Glu Tyr Ile Thr Tyr Ala Thr Asp Asp Asn Ile Tyr Met Pro Asp Arg
20 25 30

Tyr Arg Ile Gly Asp Ala Arg Phe Phe Trp Arg Val Asn His Phe Tyr
35 40 45

Pro Phe Tyr Pro Leu Asp Glu
50 55

<210> 12

<211> 56

<212> PRT

<213> Bos taurus

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Asn Cys Phe Val Phe Ser Asp Val Asp Leu Ile Pro Met Asn Asp His
20 25 30

Trp Gly Gly Glu Asp Asp Asp Ile Tyr Asn Arg Leu Ala Phe Arg Gly
35 40 45

Met Ser Val Ser Arg Pro Asn Ala
50 55

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<211> 58
<212> PRT
<213> Escherichia coli

<400> 13

Leu Gly Thr Gly His Ala Met Gln Gln Ala Ala Pro Phe Phe Ala Asp
1 5 10 15

Asp Glu Asp Ile Leu Met Leu Tyr Gly Asp Val Pro Leu Ile Ser Val
20 25 30

Glu Thr Gly Glu Tyr Tyr Ile Thr Asp Ile Ile Ala Leu Ala Tyr Gln
35 40 45

Glu Gly Arg Glu Ile Val Ala Val His Pro
50 55